Wyoming-Specific Activity: MMWR Week 9 (Week ending March 7, 2009)

Week	Total
40	8
41	4
42	0
43	2
44	0
45	1
46	3
47	1
48	0
49	1
50	0
51	1
52	2
53	1
1	2
2	1
3	7
4	20
5	39
6	65
7	74
8	105
9	121
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
Unknown	
Total	**458**

County	Totals
Albany	28*
Big Horn	20
Campbell	30
Carbon	
Converse	5
Crook	2
Fremont	22
Goshen	4
Hot Springs	3
Johnson	
Laramie	186
Lincoln	2*
Natrona	67
Niobrara	
Park	16*
Platte	4*
Sheridan	3
Sublette	25
Sweetwater	14
Teton	12
Uinta	5
Washakie	7
Weston	3
Unknown	
Total	**458**

Age	Number
0-4	86
5-10	95
11-19	99
20-39	102
40-59	52
60+	24
Unknown	
Total	**458**

Gender	Number
Male	233
Female	225
Unknown	
Total	**458**

Type	Number
A	260
B	94
Unknown	104
Total	**458**

Test	Number
Rapid	447
Culture	8
PCR	1
DFA	1
IFA	1
Total	**458**

***** Counties with positive laboratory cultures

Wyoming Public Health Laboratory Testing: MMWR Week 9 (Week ending March 7, 2009)

Week	# Submitted	A (H1)	A (H3)	B	Negative	Unknown	Not Tested
40	1	-	-	-	1		
41	0	-	-	-	-		
42	0	-	-	-	-		
43	0	-	-	-	-		
44	1	-	-	-	1		
45	0	-	-	-	-		
46	0	-	-	-	-		
47	2	-	-	-	2		
48	0	-	-	-	-		
49	1	-	-	-	1		
50	1	-	-	-	1		
51	0	-	-	-	-		
52	0	-	-	-	-		
53	0	-	-	-	-		
1	0	-	-	-	-		
2	0	-	-	-	-		
3	2	1	1	-	-		
4	4	-	-	1	3		
5	4	-	2	-	2		
6	1	-	-	-	1		
7	1	-	1	-	-		
8	3	-	1	1	1		
9	1	-	-	-	1		
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Total	**22**	**1**	**5**	**2**	**14**	**0**	**0**

Antigenic Characterization: MMWR Week 9 (Week ending March 7, 2009)

The Centers for Disease Control and Prevention (CDC) has antigenically characterized 596 influenza viruses [391 influenza A (H1), 53 influenza A (H3) and 152 influenza B viruses] collected by U.S. laboratories since October 1, 2008.

All 391 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). All 53 influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007).

Influenza B viruses currently circulating can be divided into two distinct lineages represented by the B/Yamagata/16/88 and B/Victoria/02/87 viruses. Thirty-seven influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 115 viruses belong to the B/Victoria lineage and are not related to the vaccine strain.

Data on antigenic characterization should be interpreted with caution given that antigenic characterization data is based on hemagglutination inhibition (HI) testing using a panel of reference ferret antisera and results may not correlate with clinical protection against circulating viruses provided by influenza vaccination.

Annual influenza vaccination is expected to provide the best protection against those virus strains that are related to the vaccine strains, but limited to no protection may be expected when the vaccine and circulating virus strains are so different as to be from different lineages, as is seen with the two lineages of influenza B viruses.